

Certificate of Analysis

Sample Name: O.P.M.S. Silver Red Vein Maeng Da 4oz Kratom Powder
Client: Choice Organics
Sample Code: DTS-250701-026
Matrix Name: Botanical Powder - Plant
Type / Result: Quality Assurance - Pass



Received Date: Wed, Jul 2, 2025
Published Date: Tue, Jul 8, 2025
Batch/Lot Code: 25170
Batch Size: N/A
Sample Size: 4oz
Average Unit Weight: 0.6g (0.6g serving. 189 servings per package)

RESULT SUMMARY	
Mitragynine	5.55 mg /serv
Total Major Alkaloids	9.53 mg /serv
Total Minor Alkaloids	0.01 mg /serv

ALKU Kratom Alkaloids High Level	ALKL Kratom Alkaloids Low Level	SAL Salmonella qPCR	ECOLI Total Coliforms & E. coli Plate	TAMC Total Aerobic Bacteria Plate
HVMET Heavy Metals Big 4	TYMFD Total Yeast & Mold Plate			

Approvals

RESULTS REVIEWED BY:

Leslie Varela
Laboratory Director

Cambium Analytica
Tuesday, Jul 8, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations

Cambium Analytica
Tuesday, Jul 8, 2025

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<div>ALKU</div> <div>Kratom Alkaloids - High Level</div> <div>LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD</div> <div>ALKU-DTS-250701-026-01 - MON, JUL 7, 2025</div>								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.9247 %	9.2470 mg/g	5.55 mg	5.55 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciociliatine	0.3085 %	3.0850 mg/g	1.85 mg	1.85 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Paynantheine	0.2207 %	2.2070 mg/g	1.32 mg	1.32 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	0.1338 %	1.3380 mg/g	0.80 mg	0.80 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Total Major Alkaloids	1.5877 %	15.8770 mg/g	9.53 mg	9.53 mg	N/A	N/A	N/A	N / A

<div>ALKL</div> <div>Kratom Alkaloids - Low Level</div> <div>LAB-TM-047 - Determination of Kratom Alkaloid Content by LC-TQ</div> <div>ALKL-DTS-250701-026-01 - MON, JUL 7, 2025</div>								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00220 %	0.02200 mg/g	0.01 mg	0.01 mg	N/A	0.002 ug/g	0.011 ug/g	N / A
Mitraphylline	<LOQ	N/A	N/A	N/A	N/A	0.004 ug/g	0.019 ug/g	N / A
Total Minor Alkaloids	0.00240 %	0.02400 mg/g	0.01 mg	0.01 mg	N/A	0.006 ug/g	0.03 ug/g	N / A



<div><div>SAL</div><div>Salmonella - qPCR - 25g</div><div>LAB-TM-063 - Detection and Isolation of Salmonella spp. in Foods and Dietary Supplements</div><div>SAL-DTS-250701-026-01 - TUE, JUL 8, 2025</div></div> <div></div>					
Analyte	Value	Action Limit	LOD	LOQ	Status
Salmonella Spp	ND	N/A	N/A	N/A	N/A



<div>ECOLI</div> <div>Total Coliforms & E. coli - Plate - 25g - Full Range</div> <div>LAB-TM-059 - Enumeration of Escherichia coli and Total Coliform in Foods and Dietary Supplements</div> <div>ECOLI-DTS-250701-026-01 - MON, JUL 7, 2025</div>					
Analyte	Value	Action Limit	LOD	LOQ	Status
E. coli	ND	N/A	10 CFU/g	10 CFU/g	N / A
Total Coliforms	ND	N/A	10 CFU/g	10 CFU/g	N / A



<div>TAMC</div> <div>Total Aerobic Bacteria - Plate - 25g - Full Range</div> <div>LAB-TM-060 - Enumeration of Total Aerobic Count in Foods and Dietary Supplements</div> <div>TAMC-DTS-250701-026-01 - MON, JUL 7, 2025</div>					
Analyte	Value	Action Limit	LOD	LOQ	Status
Total Aerobic Count	ND	N/A	1000 CFU/g	1000 CFU/g	N / A



<div><div>HVMET</div><div><div>Heavy Metals - Big 4</div><div>LAB-TM-044 - Determination of Heavy Metals by ICP-MS</div><div>HVMET-DTS-250701-026-01 - MON, JUL 7, 2025</div></div><div></div></div>								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	0.262 ug/g	0.000 mg/g	0.16 ug	0.16 ug	N/A	0.509 ug/kg	2.062 ug/kg	<div>N / A</div>
Cadmium	0.021 ug/g	0.000 mg/g	0.01 ug	0.01 ug	N/A	0.256 ug/kg	0.509 ug/kg	<div>N / A</div>
Lead	0.655 ug/g	0.001 mg/g	0.39 ug	0.39 ug	N/A	0.255 ug/kg	0.515 ug/kg	<div>N / A</div>
Mercury	0.017 ug/g	0.000 mg/g	0.01 ug	0.01 ug	N/A	0.025 ug/kg	0.057 ug/kg	<div>N / A</div>

<div><div>TYMFD</div><div><div>Total Yeast & Mold - Plate - 25g - Full Range</div><div>LAB-TM-061 - Enumeration of Yeast and Mold in Foods and Dietary Supplements</div><div>TYMFD-DTS-250701-026-01 - MON, JUL 7, 2025</div></div><div></div></div>					
Analyte	Value	Action Limit	LOD	LOQ	Status
Total Mold	ND	N/A	10 CFU/g	10 CFU/g	<div>N / A</div>
Total Yeast	ND	N/A	10 CFU/g	10 CFU/g	<div>N / A</div>
Total Yeast and Mold	ND	N/A	10 CFU/g	10 CFU/g	<div>N / A</div>

